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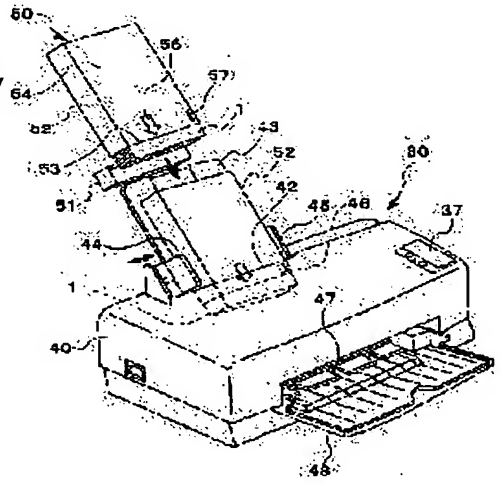
(54) CUT SHEET PACKING MEMBER AND IMAGE FORMATION DEVICE

(57)Abstract:
PROBLEM TO BE SOLVED: To save the labor for an input operation of cut sheet information.
SOLUTION: This cut sheet packing member 50 is formed with a separation line 53 for dividing it into a lid side 51 and a body side 52. In the body side 52, cut sheet information 57 expressed in a bar code is attached in a position adjacent to the separation line 52. A bar code reader 46 is provided in a sheet feed port 42 of a printer 30 and the body side 52 is inserted in the sheet feed port 42 along with a cut sheet sheet 1 so that the cut sheet information 57 attached to the body side 52 is read out by the bar code reader 46.



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* NOTICES *

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CLAIMS

[Claim(s)]
[Claim 1] The cut sheet package member characterized by what the isolation line for dividing a cut sheet package member into a lid and body side in the cut sheet package member which contains the cut sheet used for image formation where two or more sheets are piled up with image formation equipment is formed, and the cut sheet information which can be read is given for to the location which is said body side and adjoined said isolation line by the sensor.
[Claim 2] In the cut sheet package member which contains the rectangle-like cut sheet used for image formation with image formation equipment where two or more sheets are piled up So that the end side of the longitudinal direction of said cut sheet of the shape of a rectangle contained may become a body side and an other end side may be on a lid side So that the first isolation line for dividing a cut sheet package member may be formed, the end side of the direction of a short hand of said cut sheet of the shape of a rectangle contained may become a body side and an other end side may be on a lid side The location which adjoined the isolation line of this first by the side of said body in the case of the second isolation line for dividing a cut sheet package member being formed, and being divided by said first isolation line, and said body side in the case of being divided by said second isolation line -- this -- the cut sheet package member characterized by what the cut sheet information which can be read is given for to the location which adjoined the second isolation line by the sensor, respectively.
[Claim 3] In a cut sheet package member given in any 1 term of claims 1 and 2 Separate said lid side and the side from which this lid side was removed is turned to said image formation equipment. When two or more cut sheets covered at said body side are allotted to this image formation equipment, The cut sheet package member characterized by what said cut sheet information is given for to the location which becomes this fixed guide side among the fixed guide for guiding the location of the cross direction of said cut sheet of said image formation equipment, and a migration guide.
[Claim 4] In a cut sheet package member according to claim 3 said cut sheet information The field which has countered one field of two or more cut sheets currently packed among two or more fields which form said body side is given, and said lid side is separated. The cut sheet package member characterized by what the side from which this lid side was removed is turned to said image formation equipment, and said fixed guide and the field which counters are given for dismountable when two or more cut sheets covered at said body side are allotted to this image formation equipment.
[Claim 5] The cut sheet package member characterized by what said cut sheet information is attached for together with the other cut sheet path of insertion and parallel to said lid side from said body side in a cut sheet package member given in any 1 term of claims 1-4.
[Claim 6] The cut sheet package member to which the arrow head which shows the other cut sheet path of insertion from said body side to said lid side is characterized by what is given to this body side in a cut sheet package member given in any 1 term of claims 1-5.
[Claim 7] The cut sheet package member characterized by what it has the information card section by which the cut sheet information which can be read is given to the front face by the sensor in the cut sheet package member which contains two or more cut sheets by which image formation is carried out with image formation equipment, said information card section demounts, and is given possible.
[Claim 8] It is the cut sheet package member characterized by what said cut sheet information contains at least one of the part number of a cut sheet, size, a paper type, thickness, number of sheets, and unit prices for in a cut sheet package member given in any 1 term of claims 1-7.
[Claim 9] It is the cut sheet package member characterized by what said cut sheet information is displayed for by the bar code in the cut sheet package member given in any 1 term of claims 1-8.

[Claim 10] It is the cut sheet package member characterized by what is displayed also in written form while said form information is displayed by the bar code in the cut sheet package member given in any 1 term of claims 1-8.
[Claim 11] The cut sheet package object characterized by having two or more cut sheets contained by a cut sheet package member and said cut sheet package member given in any 1 term of claims 1-10.
[Claim 12] Image formation equipment characterized by having a reading means to read the cut sheet information given in the image formation equipment which carries out image formation on the surface of a cut sheet to a part of cut sheet package member which contains said two or more cut sheets, and an output means to output said a part of cut sheet information [at least] read with the aforementioned reading means.
[Claim 13] Image formation equipment characterized by what the fixed guide and migration guide for guiding the location of the cross direction of said cut sheet to feed opening of said cut sheet are prepared, and the aforementioned reading means is formed for in said fixed guide side in said feed opening in image formation equipment according to claim 12.
[Claim 14] Image formation equipment characterized by what it has the information card applied part which can insert the part to which said cut sheet information removed from said cut sheet package member is given in image formation equipment according to claim 12, and the aforementioned reading means is formed for in said information card applied part.
[Claim 15] It is image-formation equipment characterized by what it has at least one side for among a display means display said a part of cut sheet information [at least] which read said output means with the aforementioned reading means in image formation equipment given in any 1 term of claims 12-14, and a transmitting means transmit a part of this cut sheet information [at least] to the image formation control unit which controls image formation equipment.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]
[0001]
[Field of the Invention] This invention relates to the cut sheet package object which has image formation equipments, such as a printer and a copy, the package member of the cut sheet used for this, and the package member that wraps two or more cut sheets and this.
[0002]
[Description of the Prior Art] A user is making the printer carry out printing activation of it, when printing to a cut sheet conventionally, after inputting into a printer host cut sheet information, such as a paper type of the cut sheet to be used for printing from now on.
[0003]
[Problem(s) to be Solved by the Invention] However, with such a conventional technique, cut sheet information must be inputted itself [user] and there is a trouble of being very troublesome. Moreover, when cut sheet information, such as a paper type, is inputted accidentally, there is also a trouble of printing quality deteriorating.
[0004] About such a conventional trouble, its attention is paid to this invention, it is made, excludes the alter operation of cut sheet information itself [user], and aims at offering the cut sheet package object which has the cut sheet package member which can prevent an input mistake, and the package member which wraps two or more cut sheets and this, and image formation equipment.
[0005]
[Means for Solving the Problem] The isolation line for dividing a cut sheet package member into a lid and body side in the cut sheet package member which contains the cut sheet used for image formation where two or more sheets are piled up with image-formation equipment is formed, and the first cut sheet package member for attaining said object is said body side, and is characterized by what the cut sheet information which can be read is given for by the sensor to the location which adjoined said isolation line.

[0006] The second cut sheet package member for attaining said object In the cut sheet package member which contains the rectangle-like cut sheet used for image formation with image formation equipment where two or more sheets are piled up So that the end side of the longitudinal direction of said cut sheet of the shape of a rectangle contained may become a body side and an other end side may be on a lid side So that the first isolation line for dividing a cut sheet package member may be formed, the end side of the direction of a short hand of said cut sheet of the shape of a rectangle contained may become a body side and an other end side may be on a lid side The location which adjoined the isolation line of this first by the side of said body in the case of the second isolation line for dividing a cut sheet package member being formed, and being divided by said first isolation line, and said body side in the case of being divided by said second isolation line -- this -- it is characterized by what the cut sheet information which can be read is given for to the location which adjoined the second isolation line by the sensor, respectively.
[0007] The third cut sheet package member for attaining said object Said lid side is separated in the said first or second cut sheet package member. When two or more cut sheets which turn to said image formation equipment the side from which this lid side was removed, and are covered at said body side are allotted to this image formation equipment, It is characterized by what said cut sheet information is given for to the location which becomes this fixed guide side among the fixed guide for guiding the location of the cross direction of said cut sheet of said image formation equipment, and a migration guide.
[0008] The fourth cut sheet package member for attaining said object In said third cut sheet package

member said cut sheet information The field which has countered the front face of two or more cut sheets currently packed among two or more fields which form said body side is given, and said lid side is separated. The side from which this lid side was removed is turned to said image formation equipment, and when two or more cut sheets covered at said body side are allotted to this image formation equipment, said fixed guide and the field which counters are characterized by what is given dismountable.
[0009] The fifth cut sheet package member for attaining said object is characterized by what said cut sheet information is attached for together with the other cut sheet path of insertion and parallel to said lid side from said body side in the fourth one of cut sheet package members from said first.
[0010] The sixth cut sheet package member for attaining said object is characterized by what the arrow head which shows the other cut sheet path of insertion to said lid side is given for to this body side from said body side in said first to the fifth one of cut sheet package members.
[0011] The seventh cut sheet package member for attaining said object is characterized by what it has the information card section to which the cut sheet information which can be read is given by the sensor, said information card section demounts, and is given possible.
[0012] The eighth cut sheet package member for attaining said object is characterized by what said cut sheet information contains at least one of the part number of a cut sheet, size, a paper type, thickness, number of sheets, and unit prices for in the seventh one of cut sheet package members from said first.
[0013] The ninth cut sheet package member for attaining said object is characterized by what said cut sheet information is a bar code display in the eighth one of cut sheet package members from said first.
[0014] The tenth cut sheet package member for attaining said object is characterized by what said form information is a bar code display and character representation in the eighth one of cut sheet package members from said first.
[0015] The eleventh cut sheet package object for attaining said object is characterized by having two or more cut sheets contained by one of the tenth cut sheet package members and said cut sheet package members from said first.
[0016] The first image formation equipment for attaining said object is characterized by having a reading means to read the cut sheet information given to a part of cut sheet package member which contains two or more cut sheets, and an output means to output said a part of cut sheet information [at least] read with the aforementioned reading means.
[0017] The second image formation equipment for attaining said object is characterized by what the fixed guide and migration guide for guiding the location of the cross direction of said cut sheet to feed opening of said cut sheet are prepared, and the aforementioned reading means is formed for in said fixed guide side in said feed opening in said first image formation equipment.
[0018] In said first image formation equipment, the third image formation equipment for attaining said object has the information card applied part which can insert the part to which said cut sheet information removed from said cut sheet package member is given, and is characterized by what the aforementioned reading means is formed for in said information card applied part.
[0019] The fourth image formation equipment for attaining said object is characterized by what said output means has a display means to display said a part of cut sheet information [at least] read with the aforementioned reading means for in the third one of image formation equipments from said first.
[0020] The fifth image formation equipment for attaining said object is characterized by what said output means has a transmitting means to transmit said a part of cut sheet information [at least] read with the aforementioned reading means to the image formation control unit which controls image formation equipment for in the fourth one of image formation equipments from said first.
[0021]
[Embodiment of the Invention] Hereafter, the various operation gestalten concerning this invention are explained using a drawing.
[0022] The image formation system as first operation gestalt is equipped with the printer host 10 and the printer 30 which prints based on the printing command outputted by this printer host 10 as shown in drawing 1 .
[0023] The printer host 10 has the host body 11, the display unit 12, and the keyboard 13. The host body 11 has CPU20 which performs various programs, ROM21 various data and various programs are remembered to be, RAM22 various data and various programs are temporarily remembered to be, the display controller 23 who controls a display unit (display means) 12, the keyboard controller 24 which controls a keyboard 13, a floppy disk drive 25, the hard disk drive 26, CD-ROM drive 27, the printer interface 28, and the network interface 29.
[0024] In addition, after the printer host's 10 program of operation is offered in CD-ROM17 grade,

reproduces this CD-ROM17 with CD-ROM drive 27 and installs this in a hard disk drive 26, it functions because load to RAM22 and CPU20 performs this.

[0025] The printer 30 has the monitor (an output means, display means) 37, the print station 41, and the printing controller 31 that controls these. The printing controller 31 has CPU32 which performs various programs, ROM33 various data and various programs are remembered to be, RAM34 various data and various programs are temporarily remembered to be, the monitor controller 35 which controls a monitor 37, and the interface (output means) 36.

[0026] The print station 41 and the printing controller 31 are stored in casing. As shown in drawing 2 , the cut sheet feeding opening 42 and the cut sheet delivery opening 47 are formed in this casing 40. The medium tray 43, and the migration guide 44 and the fixed guide 45 for guiding a location crosswise [of a cut sheet 1] are prepared in the cut sheet feeding opening 42. Moreover, in the cut sheet feeding opening 42, the bar code reader (reading means) 46 is formed. The paper output tray 48 is formed in the cut sheet delivery opening 47.

[0027] Next, the first operation gestalt of a cut sheet package member is explained using drawing 3 and drawing 4 .

[0028] The cut sheet package member 50 of this operation gestalt is formed in the rectangular parallelepiped configuration with corrugated fiberboards (other cardboard, ****, etc.) in order to pack a cut sheet 1, where two or more sheet laminating is carried out. In order to take out two or more internal cut sheets 1, the isolation line 53 divided into lid side 51 and body side 52 is formed in the cut sheet package member 50. This isolation line 53 is formed in the vertical direction to the longitudinal direction of the cut sheet package member 50. This isolation line 53 is formed by the perforation so that it may be easy to divide into lid side 51 and body side 52.

[0029] The cut sheet information 57 about the cut sheet insertion arrow head 56 and the cut sheet 1 into which it is put in a package member is printed by the whole surface 54 of body side 52. The whole surface 54 of this body side 52 is the front face of the cut sheet 1 contained inside, and a field which counters. The cut sheet insertion arrow head 56 is turned to lid side 51 from body side 52. Moreover, the cut sheet information 57 is printed by the location which is a left end location and adjoined the isolation line 53 toward the direction which an arrow head 56 shows.

[0030] As cut sheet information 57, as shown in drawing 4 , there are the part number of a cut sheet, size, a paper type, thickness, number of sheets, a unit price, etc. These are shown by the bar code with the alphabetic character showing the content. The alphabetic character was written together with the bar code, because a user grasped cut sheet information visually. each information -- the direction of a cut sheet insertion arrow head -- in other words, it has ranked with the cut sheet path of insertion.

[0031] Next, the actuation at the time of printing to the cut sheet packed by the cut sheet package member by the image formation system explained above is explained.

[0032] First, as shown in drawing 3 , a user cuts the cut sheet package member 50 along with the isolation line 53, and separates lid side 51 from body side of cut sheet package member 50 52. Next, as shown in drawing 2 , a user places the cut sheet 1 which is on a medium tray 43 body side of cut sheet package member 50 52, and into this, as the cut sheet insertion arrow head 56 turns [close] to the feed opening 42 of a printer 30. If body side 52 is put on a medium tray 43, body side 52 will slide on a medium tray 43 top, and the cut sheet 1 exposed from part side for point of body side 52 and body side 52 will enter in the feed opening 42. The cut sheet information 57 given to body side 52 in this process is read by the bar code reader 46 in the feed opening 42. In addition, it is because it can read by the bar code reader 46 which the distance from the fixed guide 45 of the cut sheet information 57 did not change, but was fixed to the specific part even if having attached the cut sheet information 57 and having formed the bar code reader 46 in the fixed guide 45 side of body side 52 in the condition of inserting a cut sheet 1 in the feed opening 42 at the fixed guide 45 side in the feed opening 42 changed the size of a cut sheet.

[0033] By the way, to read a bar code by the bar code reader 46, it is necessary to move a bar code reader 46 in the direction in which the bar code is located in a line relatively. In this operation gestalt, since the bar code showing the cut sheet information 57 is located in a line with the cut sheet path of insertion, even if it does not move a bar code reader 46, the bar code showing cut sheet information can be read in the process which inserts body side 52 of the cut sheet package member 50 in the feed opening 42.

[0034] In addition, this invention is not limited to the bar code showing cut sheet information being located in a line with the cut sheet path of insertion, and the bar code may be located in a line in the right-angled direction to the cut sheet path of insertion. In this case, the relative displacement of the bar code reader is made carried out in the direction in which the bar code is located in a line.

[0035] The cut sheet information read by the bar code reader 46 is once memorized in RAM34 of a

printer 30.
[0036] Then, a user sets up printing conditions by the printer host 10. In printing conditioning, a printing conditioning screen as shown in the printer host's 10 display unit 12 at drawing 5 and drawing 6 is displayed. the case where are the basic setting-out screen shown in drawing 5 R> 5, for example, a form kind is generally set up -- a user -- business -- arrow-head 60a in the paper type column 60 is clicked, two or more form kinds are indicated by pulldown one, and one is chosen from two or more form kinds. Moreover, it is the form setting-out screen shown in drawing 6 , for example, in setting up a paper size, arrow-head 61a of the paper-size column 61 is clicked, two or more paper sizes are indicated by pulldown one, and it chooses one from two or more paper sizes.
[0037] On the other hand, in case the printer host 10 displays a printing conditioning screen, he demands cut sheet information from a printer 30, incorporates the cut sheet information which the printer 30 acquired, and expresses a form kind, a paper size, etc. as this operation gestalt based on this cut sheet information. namely, the form kind included in cut sheet information from the printer 30 on the basic setting-out screen shown in drawing 5 -- business -- it is automatically displayed on the paper type column 60. Moreover, the paper size contained in cut sheet information from the printer 30 is automatically expressed in the paper-size column 61 as the form setting-out screen shown in drawing 6 . In addition, renewal of hand control is also possible besides the above renewal of automatic with this operation gestalt. This renewal of hand control is updated, when "updating" carbon button is prepared in a printing conditioning screen and this is clicked. This renewal of hand control is effective, when reducing a useless communication link at the times, such as network connection, or editing a document with the paper size which is not set to the printer.
[0038] Thus, with this operation gestalt, since the information about a cut sheet is set up automatically, the time and effort by which a user sets the information about a cut sheet as a host 10 specially can be saved upwards, and an informational input mistake can be prevented. In addition, you may make it display various cut sheet information on the monitor 37 (shown in drawing 1) of a printer 30.
[0039] By the way, when using the printer which cannot acquire cut sheet information, even if the printer host 10 demands cut sheet information from a printer, a printer cannot respond to this. Then, when it leaves the function in which a user can choose various cut sheet information like the general example described previously and cut sheet information has been transmitted from the printer, he is trying to express this cut sheet information as this operation gestalt preferentially.
[0040] In addition, although only the form kind and the paper size are displayed among two or more cut sheet information, you may make it display a part number besides all the cut sheet information that the printer 30 acquired, i.e., size, and a paper type, thickness, number of sheets, a unit price, etc. here. Moreover, when cut sheet information is acquirable from a printer 30 conversely, only setting out of this cut sheet information is carried out to it, and you may make it not display this cut sheet information on it. However, displaying about a unit price is desirable. Moreover, in case this unit price is displayed, it is good to also display collectively the total printing cost called for from a number of sets.
[0041] The thickness of a cut sheet is used for amendment of the passing speed of the print head of a printer 30 etc. among cut sheet information, and number of sheets is used for grasp of the number of ** sheets of a cut sheet etc.
[0042] Moreover, with this operation gestalt, in order that two or more cut sheets 1 may place a cut sheet 1 on a medium tray 43 in the condition that close is, the merit that dust is not attached at a cut sheet 1 is also in body side 52 of the cut sheet package member 50. In addition, in changing the size of the cut sheet on a medium tray 43, it exchanges cut sheets with body side 52 of the cut sheet package member 52. For this reason, this exchange can be performed easily.
[0043] Moreover, in case a cut sheet is taken out from a package member and two or more cut sheets are generally carried on a medium tray, it is necessary to once arrange two or more cut sheets. However, in order for two or more cut sheets 1 to place a cut sheet 1 on a medium tray 43 in the condition that close is, it is not necessary to body side 52 of the cut sheet package member 50 to apply such time and effort with this operation gestalt.
[0044] In addition, although the cut sheet package member of this operation gestalt was formed with the corrugated fiberboard, it may be formed by the resin metallurgy group. In this case, since rigidity is higher than a corrugated fiberboard and a cut sheet package member is durable, it can also bear the duty as a sheet paper cassette. Furthermore, in case a cut sheet is newly purchased, I have a vendor take over a used cut sheet package member, and you may make it make this reuse in this case.
[0045] Next, the second operation gestalt of a cut sheet package member is explained using drawing 7 . Cut sheet package member 50a of this operation gestalt is the field 54 where the cut sheet insertion arrow

head 56 and cut sheet information are printed among two or more fields which constitute body side 52, and an adjacent field, and makes the left-hand side field 55 detachable to the direction which the cut sheet insertion arrow head 56 shows. A perforation is given to the boundary of this field 55 and body side 52 as isolation line 55a, and this side face 55 can be easily separated now on it.

[0046] It enabled it to separate a side face 55 in this operation gestalt for the side face of two or more cut sheets 1 in body side 52 making it stick to the fixed side guide 45 of a printer 30. in addition -- although it is not necessary to not necessarily stick the side face of two or more cut sheets 1 to the fixed side guide 45, case the thickness of the member which forms the side face of a cut sheet package member is comparatively thick -- this operation gestalt -- like -- this side face -- separable -- making -- the side face of two or more cut sheets 1 -- the fixed side guide 45 -- adhesion **** -- things are desirable.

[0047] Next, the third operation gestalt of a cut sheet package member is explained using drawing 8 . Each above operation gestalt takes into consideration only the case where it is every length of a cut sheet, when the cut sheet path of insertion is a longitudinal direction of a cut sheet that is, but this operation gestalt is taken into consideration also when a cut sheet is every width.

[0048] Cut sheet package member 50b of this operation gestalt so that first lid side 51a may exist in the location equivalent to the edge of the longitudinal direction of a rectangle-like cut sheet and first body side 52a may exist in the edge of the reverse of the longitudinal direction of a cut sheet correspond at a side First isolation line 53a is formed in parallel in the direction of a short hand of a cut sheet. Further Second isolation line 53b is formed in parallel at the longitudinal direction of a cut sheet so that second lid side 51b may exist in the location equivalent to the edge of the direction of a short hand of a cut sheet and second body side 52b may exist in the edge of the reverse of the direction of a short hand of a cut sheet correspond at a side.

[0049] Second cut sheet insertion arrow-head 56b which turns to second lid side 51b as a cut sheet insertion arrow head from first cut sheet insertion arrow-head 56a which turns to first lid side 51a from 1st body side 52a, and second body side 52b is printed by first body side 52a and second body side 52b, respectively.

[0050] moreover, the direction in which first cut sheet insertion arrow-head 56a shows cut sheet information -- going -- a left end location -- and the location which adjoined first isolation line 53a and the direction which second cut sheet insertion arrow-head 56b shows -- going -- a left end location -- and the first cut sheet information 57a and the second cut sheet information 57b are printed by the location which adjoined the second isolation line 53b, respectively.

[0051] For example, in using a cut sheet in every length, first lid side 51a is separated from first body side 52a, and as first cut sheet insertion arrow-head 56a turns [cut sheet / in which close is] to the feed opening 42 of a printer 30, it places it on a medium tray 43 first body side 52a and into this. Moreover, in using a cut sheet by every side, second lid side 51b is separated from second body side 52b, and as second cut sheet insertion arrow-head 56b turns [cut sheet / in which close is] to the feed opening 42 of a printer 30, it places it on a medium tray 43 second body side 52b and into this. First cut sheet information 57a and second cut sheet information 57b are read by the following by the bar code reader 46 of a printer 30 like [in any case] the first operation gestalt.

[0052] As mentioned above, with this operation gestalt, since the body sides 52a and 52b can be placed on a medium tray 43 with a cut sheet when using a cut sheet longitudinally, or when using it every width, also when it is any, the cut sheet information 57a and 57b currently printed at the body sides 52a and 52b can be read by the printer 30.

[0053] In addition, although each of first cut sheet information 57a and second cut sheet information 57b is the same as the cut sheet information 57 in the first operation gestalt, you may make it include the information on the purport which is every width in this operation gestalt at the second cut sheet information including the information on the purport which is every length in the first cut sheet information.

[0054] Moreover, you may enable it to separate a left-hand side side face like the second operation gestalt also in this operation gestalt toward the direction which the cut sheet insertion arrow heads 56a and 56b show among each field by the side of [52a and 52b] a body.

[0055] Next, the fourth operation gestalt of a cut sheet package member is explained using drawing 9 . The isolation line 53 divided into lid side 51 and body side 52c is formed for cut sheet package member 50c of this operation gestalt as well as the first operation gestalt. To whole surface 54of body side 52c c Cut sheet information 57c is printed by the location which is left-hand side and adjoined the isolation line 53 toward the direction which the other cut sheet insertion arrow head 56 and this cut sheet insertion arrow head 56 show from body side 52c to lid side 51.

[0056] It is whole surface 54of body side 52c c, and the perforation is given to the edge so that the part by which cut sheet information 57c is printed can be separated from body side 52c as an information card 59.

[0057] Cut sheet package member 50c of this operation gestalt can be used like the first operation gestalt, when not separating an information card 59 from body side 52c. Moreover, in separating an information card 59 from body side 52c, it uses the printer as second operation gestalt explained below.
[0058] As shown in drawing 10 , the cut sheet feeding opening 42 and the cut sheet delivery opening 47 are formed in casing 40of printer 30a as second operation gestalt a like the printer 30 as first operation gestalt. The medium tray 43, and the migration guide 44 and the fixed guide 45 for guiding a location crosswise [of a cut sheet 1] are prepared in the cut sheet feeding opening 42. The paper output tray 48 is formed in the cut sheet delivery opening 47. The information card insertion opening (information card applied part) 49 is further formed in casing 40a. Bar code reader 46a is prepared in this information card insertion opening 49. If the information card 59 cut off from body side 52c is inserted in this information card insertion opening 49, cut sheet information 57c currently printed by the information card 59 will be read by bar code reader 46a.
[0059] in addition, in cut sheet package member 50c of the fourth operation gestalt Although the printer 30 as first operation gestalt or printer 30a as second operation gestalt also used as the information card 59 the part which is left-hand side and adjoined the isolation line toward the direction which the cut sheet insertion arrow head 56 shows so that the cut sheet information 57 and 57c could be read When using it only by printer 30a as second operation gestalt, it is good as for an information card 59 in which part of package member 50c.
[0060] Moreover, although an information card 59 is used in cut sheet package member 50c of the fourth operation gestalt, separating it from body side 52c, for example, the exfoliation seed by whom cut sheet information was printed is stuck on the cut sheet package member, this exfoliation sheet may be removed, and this may be used as an information card.
[0061] In addition, although the printer as image formation equipment is targetted for each above operation gestalt, this invention is not limited to this and may be aimed at a copy.
[0062]
[Effect of the Invention] If image formation equipment is equipped with the part to which cut sheet information is given to a cut sheet package member, and this cut sheet information is given according to this invention, since cut sheet information will be read into image formation equipment, while being able to save the time and effort which cut sheet information inputs itself [user], the input mistake of cut sheet information can be lost.
[0063] Moreover, in this invention, since it is used in the condition of having been contained at the body side of a cut sheet package member, dust is not attached to a cut sheet, but at the time of exchange of a cut sheet, since cut sheets are exchanged with a body side, they can exchange cut sheets easily.

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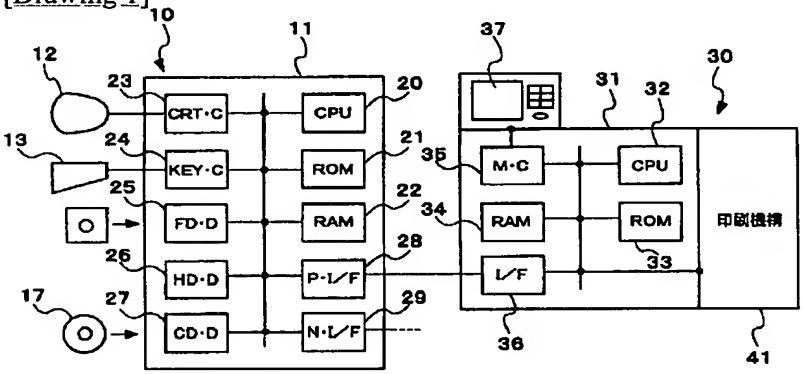
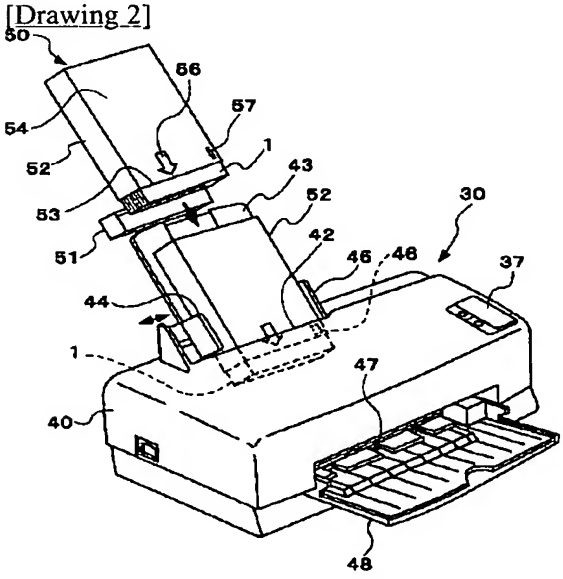
DRAWINGS

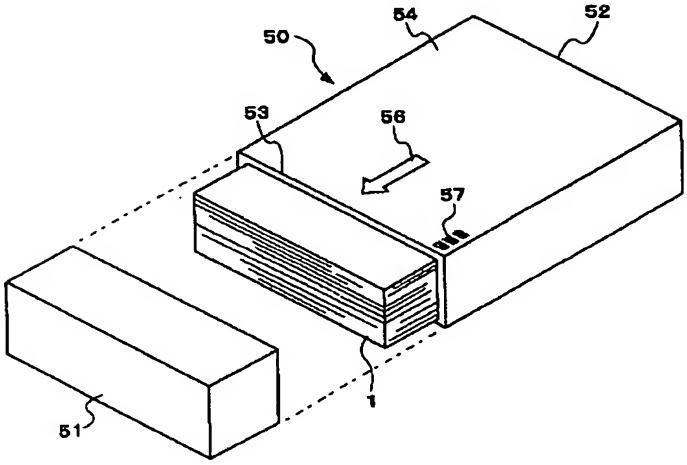
[Drawing 1]



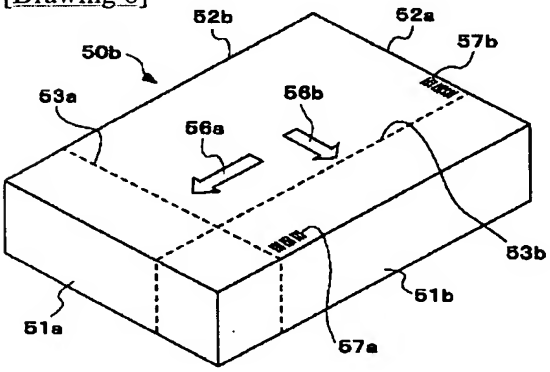
[Drawing 2]



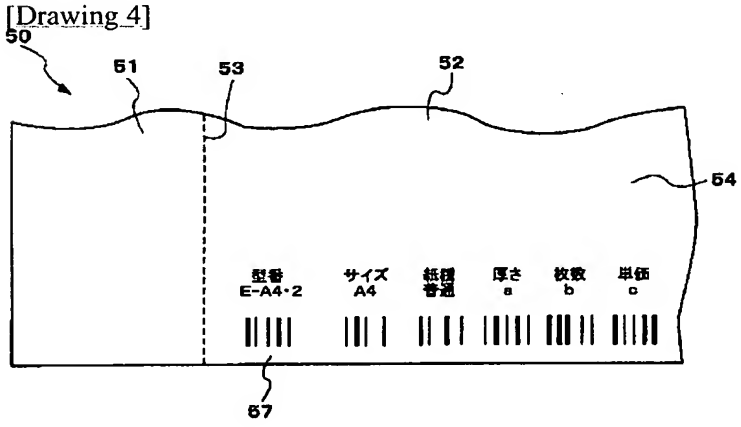
[Drawing 3]



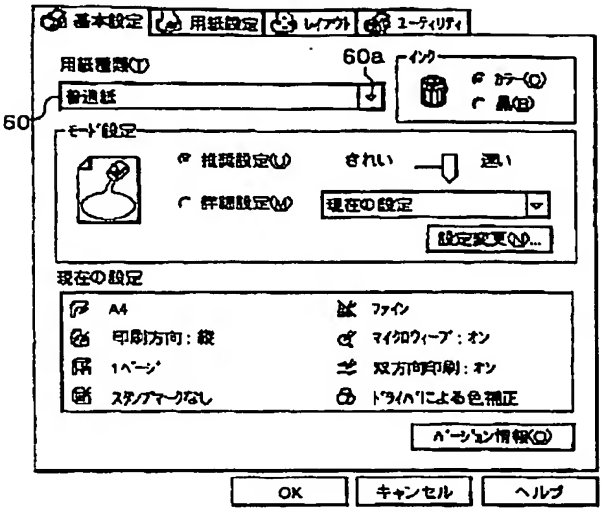
[Drawing 8]



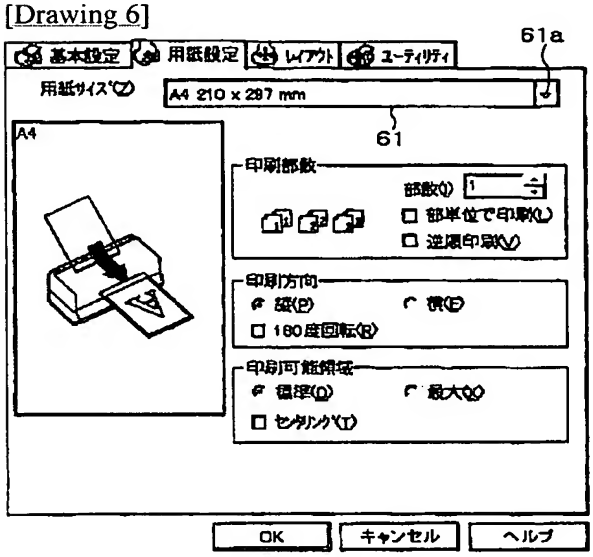
[Drawing 4]



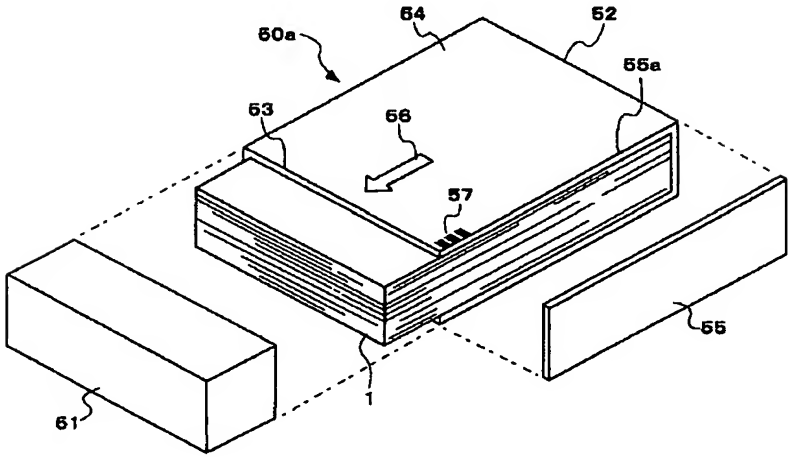
[Drawing 5]



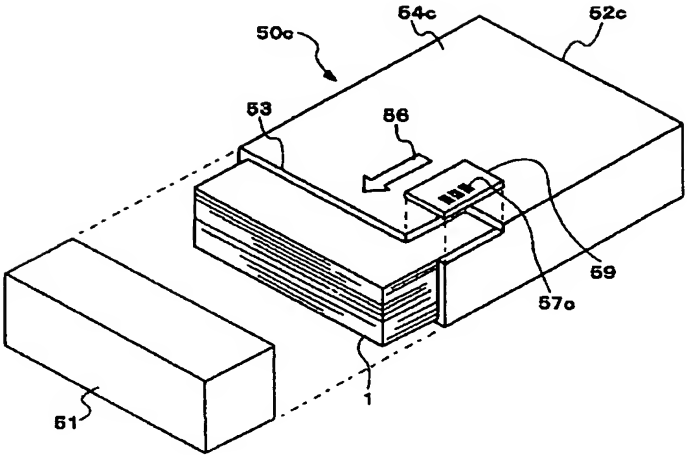
[Drawing 6]



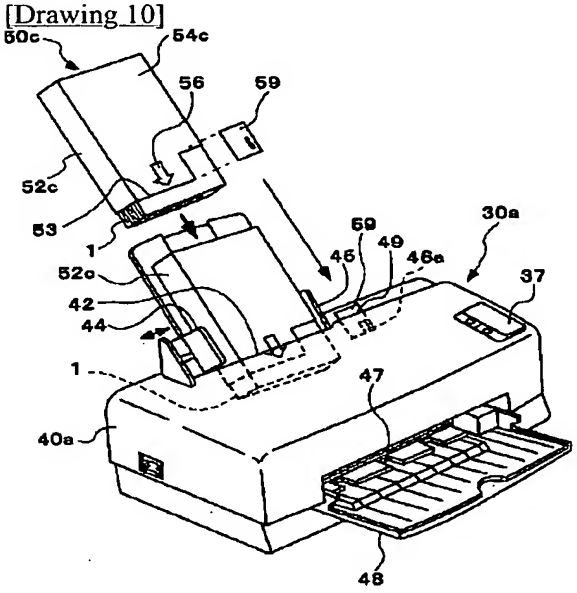
[Drawing 7]



[Drawing 9]



[Drawing 10]



[Translation done.]